

Converting Colors

$Yxy(18.9461, 0.2246, 0.3205)$

Have a look what the booklet for
Yxy(18.9461, 0.2246, 0.3205)
contains.

Yxy(18.9867, 0.2244, 0.3202)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.9867, 0.2244, 0.3202)

Conversions

Conversions Part 1

Format	Color
Hex	0F868A
RGB	15, 134, 138
RGB Percent	6%, 53%, 54%
CMY	0.9420, 0.4745, 0.4589
CMYK	0.89, 0.03, 0.00, 0.46
HSL	182°, 81%, 30%
HSV	182°, 89%, 54%
XYZ	13.3061, 18.9867, 27.0036
YIQ	98.8750, -72.2080, -23.9840

Conversions

Conversions Part 2

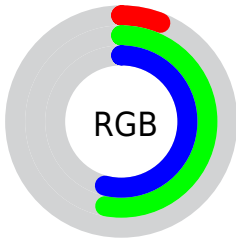
Format	Color
RYB	15, 75, 138
Decimal	1017482
CIELab	50.67, -27.76, -10.71
CIELCh	51, 29.749, 201.091
Yxy	18.9867, 0.2244, 0.3202
Android (android.graphics.Color)	4279207562 (0xFF0F868A)
YUV	98.8750, 19.2886, -73.5584
Hunter-Lab	43.5737, -21.7455, -6.2417

Details

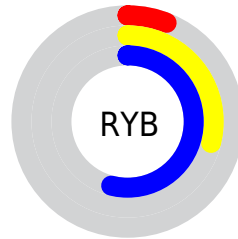
The Yxy color **18.9867, 0.2244, 0.3202** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **5.8941, 0.6098, 0.3330**, and the grayscale version is **12.3930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8519, 0.2441, 0.3243**, and **7.0452, 0.2211, 0.3158** is the 20% darker color. If you saturate the color by 10%, you get **18.7711, 0.2221, 0.3192**, and if you desaturate by 10%, it is **19.2663, 0.2279, 0.3212**.

Distribution



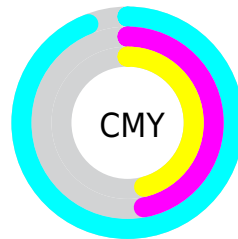
- Red (6%)
- Green (53%)
- Blue (54%)



- Red (6%)
- Yellow (29%)
- Blue (54%)



- Cyan (89%)
- Magenta (3%)
- Yellow (0%)
- Black (46%)



- Cyan (94%)
- Magenta (47%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9867, 0.2244, 0.3202 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 18.9867, 0.2244, 0.3202 by changing the saturation by 10% instead.

18.9867, 0.2244,
0.3202

18.9867, 0.2244,
0.3202

246.3753, 0.2737,
0.3266

11.6607, 0.2102,
0.3175

41.7116, 0.2437,
0.3232

6.5131, 0.1907,
0.3132

57.8793, 0.2505,
0.3241

3.1595, 0.1627,
0.3055

77.7630, 0.2561,
0.3248

1.2156, 0.1076,
0.2936

101.7471, 0.2608,
0.3253

0.0744, 0.0000,
0.0823

130.2160, 0.2648,
0.3258

0.0000, 0.0000,
0.0000

163.5540, 0.2682,

0.3261

202.1457, 0.2711,
0.3264

■ 18.9867, 0.2244,
0.3202

■ 18.9867, 0.2244,
0.3202

■ 18.7711, 0.2221,
0.3192

■ 19.2663, 0.2279,
0.3212

■ 18.7558, 0.2220,
0.3191

■ 19.6355, 0.2332,
0.3223

■ 20.1057, 0.2403,
0.3233

■ 20.6861, 0.2491,
0.3244

■ 21.3850, 0.2596,
0.3254

■ 22.2097, 0.2716,
0.3264

■ 23.1671, 0.2848,
0.3274

■ 24.2635, 0.2989,
0.3282

■ 25.5047, 0.3138,
0.3291

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.9867, 0.2594, 0.3773



18.9867, 0.2244, 0.3202



18.9867, 0.2120, 0.2729

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.9867, 0.2244, 0.3202



18.9867, 0.3067, 0.2558



18.9867, 0.4076, 0.4088

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18.9867, 0.2244, 0.3202



5.8941, 0.6098, 0.3330

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.9867, 0.4248, 0.3700



18.9867, 0.2244, 0.3202



18.9867, 0.3639, 0.2859

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.9867, 0.2244, 0.3202



18.9867, 0.2560, 0.2413



18.9867, 0.4089, 0.3262



18.9867, 0.3651, 0.4304

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18.9867, 0.2244, 0.3202



18.9867, 0.2168, 0.2526



18.9867, 0.4089, 0.3262



18.9867, 0.4167, 0.3971

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18.9874, 0.2244, 0.3202



39.4265, 0.2738, 0.3266



18.3135, 0.3001, 0.5859



8.7411, 0.2701, 0.3263



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.9874, 0.2244, 0.3202



33.0203, 0.2219, 0.3189



6.8770, 0.1854, 0.1758



5.6614, 0.2991, 0.3282



17.2038, 0.2220, 0.3191



0.1183, 0.2234, 0.3243

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



7.4596, 0.3277, 0.1635



12.5311, 0.3291, 0.1587



10.9481, 0.5099, 0.4191



5.1262, 0.3142, 0.3081



6.5209, 0.3289, 0.1586



0.0437, 0.3246, 0.1562

Previews

White Background



This preview shows how the Yxy color 18.9867, 0.2244, 0.3202 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.9867, 0.2244, 0.3202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

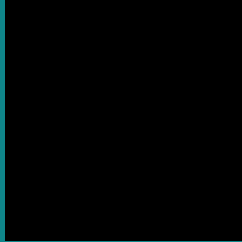
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.9867, 0.2244, 0.3202

Background



This preview shows how black text looks on a background with the Yxy color 18.9867, 0.2244, 0.3202.



This preview shows how white text looks on a background with the Yxy color 18.9867, 0.2244, 0.3202.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

18.9867, 0.2244, 0.3202

Protanopia

18.7717, 0.3025, 0.3103

Deuteranopia

18.7405, 0.2895, 0.2836



Tritanopia

18.9829, 0.2222, 0.3057

Trichromacy



Original Color

18.9867, 0.2244, 0.3202

Protanomaly

17.8751, 0.2595, 0.3124

Deuteranomaly

17.8828, 0.2516, 0.2927

Tritanomaly

18.8875, 0.2227, 0.3097

Monochromacy



Original Color

18.9867, 0.2244, 0.3202

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

14.0095, 0.2601, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9867, 0.2244, 0.3202 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(15, 134, 138)` looks like.

```
.text, #text, p{  
    color:rgb(15, 134, 138)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(15, 134, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 134, 138) }
```

Border

The CSS property to change the border of an element to Yxy 18.9867, 0.2244, 0.3202 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(15, 134, 138) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(15, 134, 138) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(15, 134, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 134, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 134, 138);  
box-shadow:4px 4px 4px 4px rgb(15, 134,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9867, 0.2244, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 134, 138) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(15, 134,  
138) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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